Neutral



Clean Science & Technology

Estimate changes	\longrightarrow
TP change	\longrightarrow
Rating change	←

Bloomberg	CLEAN IN
Equity Shares (m)	106
M.Cap.(INRb)/(USDb)	168.9 / 2
52-Week Range (INR)	1690 / 1243
1, 6, 12 Rel. Per (%)	5/2/-5
12M Avg Val (INR M)	254
•	

Financials & Valuations (INR b)

Y/E March	FY24	FY25E	FY26E
Sales	7.9	9.5	12.4
EBITDA	3.3	4.0	4.9
PAT	2.4	2.9	3.7
EPS (INR)	23.0	27.5	35.0
EPS Gr. (%)	-17.3	19.8	27.2
BV/Sh.(INR)	113.2	137.2	167.6
Ratios			
Net D:E	-0.0	-0.0	-0.1
RoE (%)	22.1	22.0	23.0
RoCE (%)	21.6	21.6	22.6
Payout (%)	13.1	13.1	13.1
Valuations			
P/E (x)	69.6	58.1	45.6
P/BV (x)	14.1	11.7	9.5
EV/EBITDA (x)	51.1	42.2	34.3
Div. Yield (%)	0.2	0.2	0.3
FCF Yield (%)	0.1	0.4	1.3

Shareholding pattern (%)

As On	Jun-24	Mar-24	Jun-23
Promoter	75.0	75.0	75.0
DII	4.6	5.0	6.4
FII	6.1	5.9	5.8
Others	14.4	14.1	12.8

FII Includes depository receipts

Volume growth across segments drives performance YoY

CMP: INR1,589

CLEAN's reported EBITDA in 1QFY25 was below our estimate at INR947m (+24% YoY), with a gross margin of 65.4% (vs. 61.4% in 1QFY24). EBITDAM expanded to 42.3% from 40.5% in 1QFY24. The revenue contribution of Performance Chemicals increased 2% YoY, while that of Pharma & Agro Intermediates declined 1% YoY. PAT grew 12% YoY to INR659m.

TP: INR1,440 (-9%)

- There was strong YoY growth across segments, led by healthy volumes. Europe and China markets witnessed meaningful growth. The management highlighted that there was average 60-65% capacity utilization across segments, with 70% utilization for the Performance Chemical segment (excluding HALS). CFCL has commenced production of 3 HALS products, namely HALS 622, HALS 944 and HALS 783, with another product to start production in Aug'24.
- The company anticipates improved margins within a few quarters as it scales up and covers fixed costs. Lower raw material prices are boosting the parent company's performance currently. Sustainable demand and quarterly volume growth indicate potential for increasing future volumes. CLEAN is also setting up a 6MW solar plant to moderate its power bill and enhance its green footprint.
- CLEAN spent INR1b on CFCL in 1QFY25 and plans to commercialize a pharma intermediate by 3QFY25 with a capex of INR300m. It is constructing a production block for a performance chemical with a capex of INR1.5b, to be ready by 1HFY26. Another capex of INR1-1.5b would begin in Sep'24 for a water treatment chemical in the Performance segment.
- We have made some adjustments to the tax rate for FY25 since HALS would take time to ramp up and tax benefits would occur in FY26; we account for higher utilization for HALS and FMCG Chemicals in FY26. Subsequently, we cut our EPS estimate for FY25 by 9%, but we increase our revenue/ EBITDA/PAT estimates by 7%/7%/5% for FY26. We value the stock at 40x FY26E EPS to arrive at a TP of INR1,440.

Miss led by higher employee expenses and lower other income

- The company reported revenue of INR2.2b (+19% YoY). **Gross margin stood at 65.4% (+400bp YoY).** EBITDA margin was 42.3% (+180bp YoY).
- EBITDA came in at INR947m (est. INR1b), up 24% YoY. PAT stood at INR659m (est. INR813m), up 12% YoY.
- CLEAN has announced that it has commenced the construction of production block for the manufacturing of a performance segment product in its WOS. Total capex would be ~INR1.5b for the same.

Segmental and other highlights

■ There was volume-led growth in 1QFY25 on YoY basis.

Aman Chowdhary- Research Analyst (Aman.Chowdhary@MotilalOswal.com)

Sumant Kumar - Research Analyst (Sumant.Kumar@MotilalOswal.com)

Investors are advised to refer through important disclosures made at the last page of the Research Report.

- Revenue from Pharma Chemicals was INR403m (+13% YoY), led by improved volume and realization. Revenue from Performance Chemicals was INR1.5b (+23% YoY), with growth across all products led by increase in volumes. Revenue from FMCG Chemicals was INR291m (+19% YoY), led by volume growth.
- Revenue from the domestic business accounted for 37% of total revenue, while the rest was contributed by exports. The share of China and Europe increased, while the share of Americas declined.
- CLEAN incurred a total capex of INR10b in 1QFY25, primarily in subsidiary Clean Fino Chem.
- Management has highlighted that it commercialized three additional products under HALS series i.e. HALS 622, HALS 944 and HALS 783 in Jul'24. A pharma intermediate product is expected to be commercialized during 3QFY25.
- The board has extended the employment of Mr. Krishnakumar Boob (WTD since Apr'21) until 31st Mar'26 (He will attain the age of 70 years on 31st May'25).
- The board has also approved the appointment of Mr. Parth Ashok Maheshwari as an Additional Director designated as WTD (he is one of the promoters and son of Mr. Ashok Boob, MD).

Valuation and view

- CLEAN is actively pursuing R&D and has entered the HALS series, which has an estimated global market size of USD1b. Commercial production from CFCL has commenced and the management expects HALS utilization to reach 80% in three years.
- The company is expected to generate INR2.9b in FCF during FY25-26, with a planned capex of INR4b for the same period. The company plans to finance this capex through internal accruals and is projected to maintain a net cash position in the future.
- The stock is currently trading at ~44x FY26E EPS of INR36.1 and ~33x FY26E EV/EBITDA. We value the stock at 40x FY26E EPS to arrive at our TP of INR1,440.

Consolidated - Quarterly Snapshot												(INR m)
Y/E March		FY	24			FY	25		FY24	FY25E	FY25	Var.
	1Q	2Q	3Q	4Q	1Q	2QE	3QE	4QE	•		1QE	(%)
Gross Sales	1,881	1,811	1,947	2,275	2,240	2,311	2,417	2,512	7,915	9,480	2,346	-5%
YoY Change (%)	-19.6	-26.8	-18.0	4.9	19.1	27.6	24.1	10.4	-15.4	19.8	24.7	
Gross Margin (%)	61.4%	65.9%	66.8%	65.7%	65.4%	65.0%	64.8%	64.8%	65.0%	65.0%	65.7%	-0.3%
EBITDA	761	748	866	945	947	987	1,029	1,047	3,321	4,010	1,006	-6%
Margin (%)	40.5	41.3	44.5	41.5	42.3	42.7	42.6	41.7	42.0	42.3	42.9	-0.6
Depreciation	108	111	113	127	158	162	169	173	459	661	129	
Interest	1	3	1	6	1	2	3	5	9	11	1	
Other Income	134	60	78	141	99	128	135	206	413	569	142	
PBT before EO expense	787	695	830	953	887	951	993	1,075	3,265	3,906	1,018	-13%
PBT	787	695	830	953	887	951	993	1,075	3,265	3,906	1,018	-13%
Tax	198	173	204	250	228	240	251	265	825	983	205	
Rate (%)	25.1	24.9	24.6	26.3	25.7	25.2	25.2	24.7	25.3	25.2	20.1	
Reported PAT	589	522	626	703	659	711	742	810	2,440	2,923	813	-19%
Adj. PAT	589	522	626	703	659	711	742	810	2,440	2,923	813	-19%
YoY Change (%)	-6.3	-23.2	-25.3	-12.7	11.9	36.3	18.5	15.3	-17.3	19.8	37.9	
Margin (%)	31.3	28.8	32.2	30.9	29.4	30.8	30.7	32.3	30.8	30.8	34.6	-5.2
Segment-wise Revenue (INR m)												
Performance Chemicals	1,260	1,213	1,305	1,524	1,546	1,602	1,702	1,795	5,303	5,303	1,661	-7%
Pharma & Agro Intermediates	357	344	370	432	403	408	408	413	1,504	1,504	408	-1%
FMCG Chemicals	245	272	253	259	291	281	288	264	1,029	1,029	257	13%
Others	19	-19	19	60	0	20	20	40	79	79	20	-100%

1QFY25 story in charts

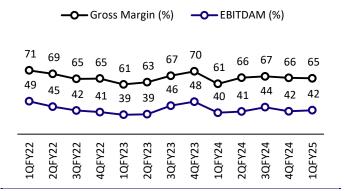
Exhibit 1: Revenue increased 19% YoY



Source: Company, MOFSL

─Growth YoY (%)

Exhibit 2: GM and EBITDAM expanded YoY

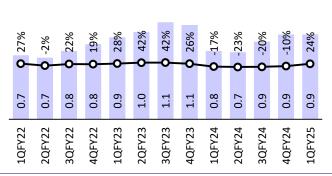


Source: Company, MOFSL

—O— Growth YoY (%)

Exhibit 3: EBITDA increase 24% YoY

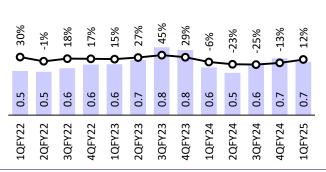
EBITDA (INR b)



Source: Company, MOFSL

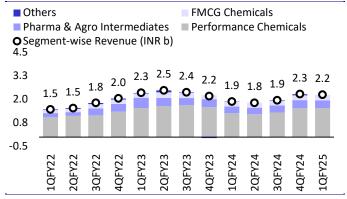
Exhibit 4: PAT was up 12% YoY

PAT (INR b)



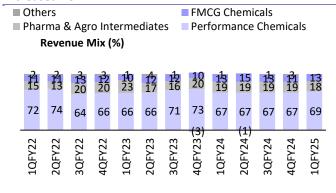
Source: Company, MOFSL

Exhibit 5: Revenue across segments increased YoY



Source: Company, MOFSL

Exhibit 6: Contribution from Performance Chemicals increased YoY

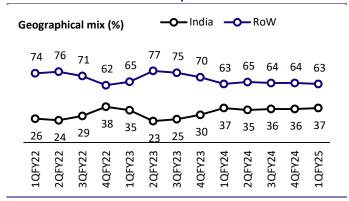


Source: Company, MOFSL

Exhibit 7: Domestic sales increased 19% YoY



Exhibit 8: Contribution from exports was stable YoY



Source: Company, MOFSL

Exhibit 9: Revenue contribution from China and Europe increased, while it declined for Americas

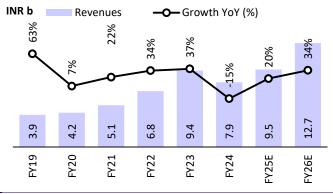
Source: Company, MOFSL

Region	wise Mix	(%)		India		■ Americas		Europe		■ China	•	RoW
8%	6%	4%	9%	6%	8%	7%	_	10%	10%	10%	13%	10%
33%	43%	43%	20% 17%	32%	37%	35%	36%	21% 13%	19% 17%	21% 14%	26%	23%
19% 16%	11% 14%	12% 10%	16% 39%	14% 13% 35%	16% 16%	15% 18%	19% 17% 29%	19%	19% 35%	19%	12% 12% 36%	18% 12% 37%
24%	26%	28%		3370	23%	25%	-2%	3770	3370	3070	3070	37,70
1QFY22	2QFY22	3QFY22	4QFY22	1QFY23	2QFY23	3QFY23	4QFY23	1QFY24	2QFY24	3QFY24	4QFY24	1QFY25
1	7	ñ	4	Ä	7	ñ	4	Ť	7	ñ	4	Ä

Source: Company, MOSL

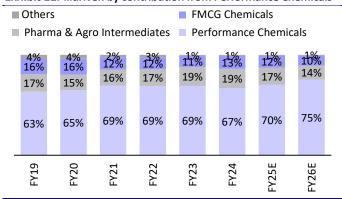
Financial story in charts

Exhibit 10: Expect 27% revenue CAGR over FY24-26...



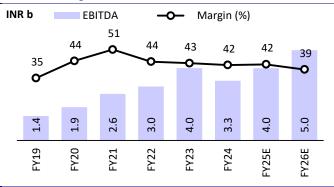
Source: Company, MOFSL

Exhibit 11: ...driven by contribution from Performance Chemicals



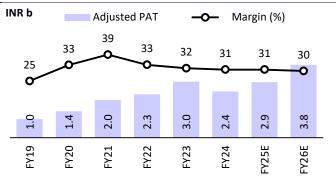
Source: Company, MOFSL

Exhibit 12: EBITDA margin to normalize on consol basis with commissioning of HALS



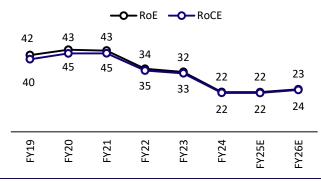
Source: Company, MOFSL

Exhibit 13: PAT margin expected to be flat



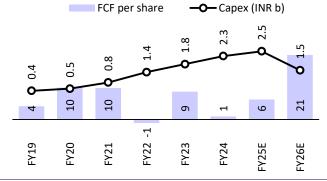
Source: Company, MOFSL

Exhibit 14: Return profile to moderate vs. FY23



Source: Company, MOFSL

Exhibit 15: Expect capex of INR4b over FY25-26



Source: Company, MOFSL

MOTILAL OSWAL

Financials and valuations

Consolidated - Financial Snapshot								(INR m)
Y/E March	FY19	FY20	FY21	FY22	FY23	FY24	FY25E	FY26E
Total Income from Operations	3,933	4,193	5,124	6,849	9,358	7,915	9,480	12,719
Change (%)	63.1	6.6	22.2	33.7	36.6	-15.4	19.8	34.2
Gross Margin (%)	56.5	69.2	75.9	67.2	65.2	65.0	65.0	65.3
EBITDA	1,363	1,853	2,590	2,999	4,021	3,321	4,010	5,018
Margin (%)	34.7	44.2	50.5	43.8	43.0	42.0	42.3	39.5
Depreciation	110	137	172	249	361	459	661	665
EBIT	1,253	1,716	2,417	2,750	3,660	2,861	3,349	4,353
Int. and Finance Charges	0	1	1	1	2	9	11	13
Other Income	113	109	256	300	298	413	569	455
PBT bef. EO Exp.	1,365	1,823	2,673	3,048	3,956	3,265	3,906	4,794
PBT after EO Exp.	1,365	1,823	2,673	3,048	3,956	3,265	3,906	4,794
Total Tax	389	427	689	763	1,005	825	983	963
Tax Rate (%)	28.5	23.4	25.8	25.0	25.4	25.3	25.2	20.1
Reported PAT	977	1,396	1,984	2,285	2,952	2,440	2,923	3,831
Adjusted PAT	977	1,396	1,984	2,285	2,952	2,440	2,923	3,831
Change (%)	100.7	43.0	42.1	15.2	29.2	-17.3	19.8	31.1
Margin (%)	24.8	33.3	38.7	33.4	31.5	30.8	30.8	30.1
Consolidated - Balance Sheet	EV40	EV20	FV24	EV22	FV22	FV24	FV2FF	(INR m)
Y/E March	FY19	FY20	FY21	FY22	FY23	FY24	FY25E	FY26E
Equity Share Capital	14	13	106	106	106	106	106	106
Total Reserves	2,706	3,408	5,290	7,578	9,994	11,925	14,467	17,798
Net Worth	2,721	3,421	5,397	7,684	10,100	12,032	14,573	17,904
Total Loans	26	27	3	3	1	0	0	200
Deferred Tax Liabilities	139	102	176	209	234	299	299	299
Capital Employed	2,885	3,550	5,576	7,897	10,335	12,331	14,872	18,203
Gross Block	1,724	2,247	2,610	3,959	5,963	8,182	10,712	12,212
Less: Accum. Deprn.	454	591	752	1,001	1,362	1,821	2,483	3,147
Net Fixed Assets	1,270	1,656	1,859	2,957	4,601	6,361	8,230	9,065
Capital WIP	39	34	550	441	205	573	573	573
Total Investments	752	1,330	2,321	1,911	3,531	3,394	3,394	3,394
Curr. Assets, Loans&Adv.	1,213	1,279	1,870	3,938	3,181	3,635	4,628	7,787
Inventory	370	346	529	881	1,088	1,237	1,481	1,987
Account Receivables	598	698	742	1,535	1,462	1,637	1,961	2,631
Cash and Bank Balance	95	93	157	747	125	106	401	2,116
Cash	94	92	93	579	125	104	399	2,114
Bank Balance	0	1	63	168	0	2	2	2
Loans and Advances	151	142	442	774	506	655	785	1,053
Curr. Liability & Prov.	390	749	1,023	1,350	1,184	1,632	1,952	2,616
Account Payables	223	357	610	1,021	805	1,085	1,299	1,743
Other Current Liabilities	162	387	408	324	370	536	642	861
Provisions	4	5	5	5	8	12	12	12
Net Current Assets	824	530	846	2,587	1,997	2,003	2,676	5,171
Appl. of Funds	2,885	3,550	5,576	7,897	10,334	12,331	14,872	18,203

Financials and valuations

Ratios								
Y/E March	FY19	FY20	FY21	FY22	FY23	FY24	FY25E	FY26E
Basic (INR)								
EPS	9.2	13.1	18.7	21.5	27.8	23.0	27.5	36.1
EPS Growth (%)	100.7	43.0	42.1	15.2	29.2	-17.3	19.8	31.1
Cash EPS	10.2	14.4	20.3	23.9	31.2	27.3	33.7	42.3
BV/Share	25.6	32.2	50.8	72.3	95.1	113.2	137.2	168.5
DPS	0.9	1.0	0.3	3.3	5.0	3.0	3.6	4.7
Payout (%)	9.5	7.4	1.7	15.1	18.0	13.1	13.1	13.1
Valuation (x)								
P/E	173.8	121.6	85.6	74.3	57.5	69.6	58.1	44.3
Cash P/E	156.2	110.7	78.7	67.0	51.2	58.6	47.4	37.8
P/BV	62.4	49.6	31.5	22.1	16.8	14.1	11.7	9.5
EV/Sales	43.1	40.5	33.1	24.7	18.1	21.4	17.9	13.2
EV/EBITDA	124.5	91.6	65.5	56.4	42.2	51.1	42.2	33.4
Dividend Yield (%)	0.1	0.1	0.0	0.2	0.3	0.2	0.2	0.3
FCF per share	4.3	10.3	10.2	-1.2	9.1	1.0	6.5	21.0
Return Ratios (%)	7.5	10.5	10.2		J.1	1.0	0.5	21.0
RoE	42.5	45.5	45.0	34.9	33.2	22.1	22.0	23.6
RoCE	40.2	43.4	43.5	33.9	32.4	21.6	21.6	23.2
RoIC	51.4	64.2	77.3	56.1	48.5	29.0	26.7	30.8
Working Capital Ratios	31.4	04.2	77.3	30.1	40.5	23.0	20.7	30.8
Fixed Asset Turnover (x)	3.4	2.9	2.9	2.8	2.5	1.4	1.3	1.5
• •	1.4	1.2	0.9	0.9	0.9		0.6	0.7
Asset Turnover (x)		30.1	37.7	47.0	42.4	0.6		57.0
Inventory (Days)	34.4					57.0	57.0	
Debtor (Days)	55.5	60.8	52.9	81.8	57.0	75.5	75.5	75.5
Creditor (Days)	20.7	31.1	43.4	54.4	31.4	50.0	50.0	50.0
Leverage Ratio (x)	2.4		1.0	2.0		2.2	2.4	2.0
Current Ratio	3.1	1.7	1.8	2.9	2.7	2.2	2.4	3.0
Net Debt/Equity	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	-0.1
								(1215 \
Consolidated - Cash Flow Statement								(INR m)
Y/E March	FY19	FY20	FY21	FY22	FY23	FY24	FY25E	FY26E
OP/(Loss) before Tax	1,365	1,823	2,673	3,048	3,956	3,265	3,906	4,794
Depreciation	110	137	172	249	361	459	661	665
Interest Expenses	0	1	1	1	2	9	11	13
Others	-65	-67	-109	-126	-153	-313	0	0
Direct Taxes Paid	-355	-424	-659	-691	-945	-755	-983	-963
(Inc)/Dec in WC	-208	131	-149	-1,209	-428	-295	-377	-781
CF from Operations	848	1,601	1,928	1,273	2,793	2,370	3,218	3,728
(Inc)/Dec in FA	-388	-503	-840	-1,396	-1,831	-2,267	-2,530	-1,500
Free Cash Flow	460	1,098	1,088	-123	962	103	688	2,228
Change in Investments	-576	-563	-1,078	532	-929	380	0	0
Others	14	3	51	78	61	29	0	0
CF from Investments	-950	-1,063	-1,867	-786	-2,698	-1,859	-2,530	-1,500
Issue of Shares	0	0	0	0	9	9	0	0
Inc/(Dec) in Debt	20	1	-24	0	0	0	0	0
Interest Paid	0	-1	-1	-1	-1	-8	-11	-13
Dividend Paid	-128	-153	-33	0	-558	-531	-382	-500
Others	10	-386	-1	0	-1	-2	0	0
CF from Fin. Activity	-98	-540	-59	-1	-550	-532	-393	-514
Inc/Dec of Cash	-200	-3	1	486	-455	-20	295	1,715
-								
Opening Balance	295	95	92	93	579	125	104	399

Investment in securities market are subject to market risks. Read all the related documents carefully before investing

MOTILAL OSWAL

NOTES

Explanation of Investment Rating							
Investment Rating	Expected return (over 12-month)						
BUY	>=15%						
SELL	<-10%						
NEUTRAL	< - 10 % to 15%						
UNDER REVIEW	Rating may undergo a change						
NOT RATED	We have forward looking estimates for the stock but we refrain from assigning recommendation						

*In case the recommendation given by the Research Analyst is inconsistent with the investment rating legend for a continuous period of 30 days, the Research Analyst shall be within following 30 days take appropriate measures to make the recommendation consistent with the investment rating legend. Disclosures

The following Disclosures are being made in compliance with the SEBI Research Analyst Regulations 2014 (herein after referred to as the Regulations).

Motilal Oswal Financial Services Ltd. (MOFSL) is a SEBI Registered Research Analyst having registration no. INH000000412. MOFSL, the Research Entity (RE) as defined in the Regulations, is engaged in the business of providing Stock broking services, Depository participant services & distribution of various financial products. MOFSL is a listed public company, the details in respect of which are available on www.motilaloswal.com. MOFSL (erstwhile Motilal Oswal Securities Limited - MOSL) is registered with the Securities & Exchange Board of India (SEBI) and is a registered Trading Member with National Stock Exchange of India Ltd. (NSE) and Bombay Stock Exchange Limited (BSE), Multi Commodity Exchange of India Limited (MCX) and National Commodity & Derivatives Exchange Limited (NCDEX) for its stock broking activities & is Depository participant with Central Depository Services Limited (CDSL) National Securities Depository Limited (NSDL),NERL, COMRIS and CCRL and is member of Association of Mutual Funds of India (AMFI) for distribution of financial products and Insurance Regulatory & Development Authority of India (IRDA) as Corporate Agent for insurance products. Details of associate entities of Motilal Oswal Financial Services Limited are available on the website at http://onlinereports.motilaloswal.com/Dormant/documents/List%20of%20Associate%20companies.pdf

MOFSL and its associate company(ies), their directors and Research Analyst and their relatives may; (a) from time to time, have a long or short position in, act as principal in, and buy or sell the securities or derivatives thereof of companies mentioned herein. (b) be engaged in any other transaction involving such securities and earn brokerage or other compensation or act as a market maker in the financial instruments of the company(ies) discussed herein or act as an advisor or lender/borrower to such company(ies) or may have any other potential conflict of interests with respect to any recommendation and other related information and opinions.; however the same shall have no bearing whatsoever on the specific recommendations made by the analyst(s), as the recommendations made by the analyst(s) are completely independent of the views of the associates of MOFSL even though there might exist an inherent conflict of interest in some of the stocks mentioned in the research report.

MOFSL and / or its affiliates do and seek to do business including investment banking with companies covered in its research reports. As a result, the recipients of this report should be aware that MOFSL may have a potential conflict of interest that may affect the objectivity of this report. Compensation of Research Analysts is not based on any specific merchant banking, investment banking or brokerage transactions. Details of pending Enquiry Proculaxy.motilaloswal.com/ResearchAnalyst/PublishViewLitigation.aspx of Motilal Enquiry Proceedings Oswal Limited Financial Services available are

A graph of daily closing prices of securities is available at www.nseindia.com, www.bseindia.com. Research Analyst views on Subject Company may vary based on Fundamental research and Technical Research. Proprietary trading desk of MOFSL or its associates maintains arm's length distance with Research Team as all the activities are segregated from MOFSL research activity and therefore it can have an independent view with regards to Subject Company for which Research Team have expressed their views.

Regional Disclosures (outside India)

This report is not directed or intended for distribution to or use by any person or entity resident in a state, country or any jurisdiction, where such distribution, publication, availability or use would be contrary to law, regulation or which would subject MOFSL & its group companies to registration or licensing requirements within such jurisdictions.

For Hong Kong:

This report is distributed in Hong Kong by Motilal Oswal capital Markets (Hong Kong) Private Limited, a licensed corporation (CE AYY-301) licensed and regulated by the Hong Kong Securities and Futures Commission (SFC) pursuant to the Securities and Futures Ordinance (Chapter 571 of the Laws of Hong Kong) "SFO". As per SEBI (Research Analyst Regulations) 2014 Motilal Oswal Securities (SEBI Reg. No. INH000000412) has an agreement with Motilal Oswal capital Markets (Hong Kong) Private Limited for distribution of research report in Hong Kong. This report is intended for distribution only to "Professional Investors" as defined in Part I of Schedule 1 to SFO. Any investment or investment activity to which this document relates is only available to professional investor and will be engaged only with professional investors." Nothing here is an offer or solicitation of these securities, products and services in any jurisdiction where their offer or sale is not qualified or exempt from registration. The Indian Analyst(s) who compile this report is/are not located in Hong Kong & are not conducting Research Analysis in Hong Kong.

For U.S.

Motilal Oswal Financial Services Limited (MOFSL) is not a registered broker - dealer under the U.S. Securities Exchange Act of 1934, as amended (the 1934 act 1934 act 1934) and under applicable state laws in the United States. In addition MOFSL is not a registered investment adviser under the U.S. Investment Advisers Act of 1940, as amended (the "Advisers Act" and together with the 1934 Act, the "Acts), and under applicable state laws in the United States. Accordingly, in the absence of specific exemption under the Acts, any brokerage and investment services provided by MOFSL, including the products and services described herein are not available to or intended for U.S. persons. This report is intended for distribution only to "Major Institutional Investors" as defined by Rule 15a-6(b)(4) of the Exchange Act and interpretations thereof by SEC (henceforth referred to as "major institutional investors"). This document must not be acted on or relied on by persons who are not major institutional investors. Any investment or investment activity to which this document relates is only available to major institutional investors and will be engaged in only with major institutional investors. In reliance on the exemption from registration provided by Rule 15a-6 of the U.S. Securities Exchange Act of 1934, as amended (the "Exchange Act") and interpretations thereof by the U.S. Securities and Exchange Commission ("SEC") in order to conduct business with Institutional Investors based in the U.S., MOFSL has entered into a chaperoning agreement with a U.S. registered broker-dealer, Motilal Oswal Securities International Private Limited. ("MOSIPL"). Any business interaction pursuant to this report will have to be executed within the provisions of this chaperoning agreement.

The Research Analysts contributing to the report may not be registered /qualified as research analyst with FINRA. Such research analyst may not be associated persons of the U.S. registered broker-dealer, MOSIPL, and therefore, may not be subject to NASD rule 2711 and NYSE Rule 472 restrictions on communication with a subject company, public appearances and trading securities held by a research analyst account.

For Singapore

In Singapore, this report is being distributed by Motilal Oswal Capital Markets (Singapore) Pte. Ltd. ("MOCMSPL") (UEN 201129401Z), which is a holder of a capital markets services license and an exempt financial adviser in Singapore. This report is distributed solely to persons who (a) qualify as "institutional investors" as defined in section 4A(1)(c) of the Securities and Futures Act of Singapore ("SFA") or (b) are considered "accredited investors" as defined in section 2(1) of the Financial Advisers Regulations of Singapore read with section 4A(1)(a) of the SFA. Accordingly, if a recipient is neither an "institutional investor" nor an "accredited investor", they must immediately discontinue any use of this Report and inform MOCMSPL

In respect of any matter arising from or in connection with the research you could contact the following representatives of MOCMSPL. In case of grievances for any of the services rendered by MOCMSPL write to grievances@motilaloswal.com.

Nainesh Rajani

Email: nainesh.rajani@motilaloswal.com

Contact: (+65) 8328 0276

Specific Disclosures

- MOFSL, Research Analyst and/or his relatives does not have financial interest in the subject company, as they do not have equity holdings in the subject company.
- 2 MOFSL, Research Analyst and/or his relatives do not have actual/beneficial ownership of 1% or more securities in the subject company
- MOFSL, Research Analyst and/or his relatives have not received compensation/other benefits from the subject company in the past 12 months MOFSL, Research Analyst and/or his relatives do not have material conflict of interest in the subject company at the time of publication of research report
- Research Analyst has not served as director/officer/employee in the subject company
- MOFSL has not acted as a manager or co-manager of public offering of securities of the subject company in past 12 months
- MOFSL has not received compensation for investment banking/merchant banking/brokerage services from the subject company in the past 12 months
- MOFSL has not received compensation for other than investment banking/merchant banking/brokerage services from the subject company in the past 12 months
- MOFSL has not received any compensation or other benefits from third party in connection with the research report

MOFSL has not engaged in market making activity for the subject company

The associates of MOFSL may have:

- financial interest in the subject company
- actual/beneficial ownership of 1% or more securities in the subject company at the end of the month immediately preceding the date of publication of the Research Report or date of the public
- received compensation/other benefits from the subject company in the past 12 months
- any other potential conflict of interests with respect to any recommendation and other related information and opinions, however the same shall have no bearing whatsoever on the specific recommendations made by the analyst(s), as the recommendations made by the analyst(s) are completely independent of the views of the associates of MOFSL even though there might exist an inherent conflict of interest in some of the stocks mentioned in the research report.
- acted as a manager or co-manager of public offering of securities of the subject company in past 12 months

9 7 August 2024

be engaged in any other transaction involving such securities and earn brokerage or other compensation or act as a market maker in the financial instruments of the company(ies) discussed herein or act as an advisor or lender/borrower to such company(ies)

received compensation from the subject company in the past 12 months for investment banking / merchant banking / brokerage services or from other than said services.

Served subject company as its clients during twelve months preceding the date of distribution of the research report.

The associates of MOFSL has not received any compensation or other benefits from third party in connection with the research report

Above disclosures include beneficial holdings lying in demat account of MOFSL which are opened for proprietary investments only. While calculating beneficial holdings, It does not consider demat accounts which are opened in name of MOFSL for other purposes (i.e holding client securities, collaterals, error trades etc.). MOFSL also earns DP income from clients which are not considered in above disclosures **Analyst Certification**

The views expressed in this research report accurately reflect the personal views of the analyst(s) about the subject securities or issues, and no part of the compensation of the research analyst(s) was, is, or will be directly or indirectly related to the specific recommendations and views expressed by research analyst(s) in this report.

Terms & Conditions:

This report has been prepared by MOFSL and is meant for sole use by the recipient and not for circulation. The report and information contained herein is strictly confidential and may not be altered in any way, transmitted to, copied or distributed, in part or in whole, to any other person or to the media or reproduced in any form, without prior written consent of MOFSL. The report is based on the facts, figures and information that are considered true, correct, reliable and accurate. The intent of this report is not recommendatory in nature. The information is obtained from publicly available media or other sources believed to be reliable. Such information has not been independently verified and no guaranty, representation of warranty, express or implied, is made as to its accuracy, completeness or correctness. All such information and opinions are subject to change without notice. The report is prepared solely for informational purpose and does not constitute an offer document or solicitation of offer to buy or sell or subscribe for securities or other financial instruments for the clients. Though disseminated to all the customers simultaneously, not all customers may receive this report at the same time. MOFSL will not treat recipients as customers by virtue of their receiving this report.

The report and information contained herein is strictly confidential and meant solely for the selected recipient and may not be altered in any way, transmitted to, copied or distributed, in part or in whole, to any other person or to the media or reproduced in any form, without prior written consent. This report and information herein is solely for informational purpose and may not be used or considered as an offer document or solicitation of offer to buy or sell or subscribe for securities or other financial instruments. Nothing in this report constitutes investment, legal, accounting and tax advice or a representation that any investment or strategy is suitable or appropriate to your specific circumstances. The securities discussed and opinions expressed in this report may not be suitable for all investors, who must make their own investment decisions, based on their own investment objectives, financial positions and needs of specific recipient. This may not be taken in substitution for the exercise of independent judgment by any recipient. Each recipient of this document should make such investigations as it deems necessary to arrive at an independent evaluation of an investment in the securities of companies referred to in this document (including the merits and risks involved), and should consult its own advisors to determine the merits and risks of such an investment. The investment discussed or views expressed may not be suitable for all investors. Certain transactions -including those involving futures, options, another derivative products as well as non-investment grade securities - involve substantial risk and are not suitable for all investors. No representation or warranty, express or implied, is made as to the accuracy, completeness or fairness of the information and opinions contained in this document. The Disclosures of Interest Statement incorporated in this document is provided solely to enhance the transparency and should not be treated as endorsement of the views expressed in the report. This information is subject to change without any prior notice. The Company reserves the right to make modifications and alternations to this statement as may be required from time to time without any prior approval. MOFSL, its associates, their directors and the employees may from time to time, effect or have effected an own account transaction in, or deal as principal or agent in or for the securities mentioned in this document. They may perform or seek to perform investment banking or other services for, or solicit investment banking or other business from, any company referred to in this report. Each of these entities functions as a separate, distinct and independent of each other. The recipient should take this into account before interpreting the document. This report has been prepared on the basis of information that is already available in publicly accessible media or developed through analysis of MOFSL. The views expressed are those of the analyst, and the Company may or may not subscribe to all the views expressed therein. This document is being supplied to you solely for your information and may not be reproduced, redistributed or passed on, directly or indirectly, to any other person or published, copied, in whole or in part, for any purpose. This report is not directed or intended for distribution to, or use by, any person or entity who is a citizen or resident of or located in any locality, state, country or other jurisdiction, where such distribution, publication, availability or use would be contrary to law, regulation or which would subject MOFSL to any registration or licensing requirement within such jurisdiction. The securities described herein may or may not be eligible for sale in all jurisdictions or to certain category of investors. Persons in whose possession this document may come are required to inform themselves of and to observe such restriction. Neither the Firm, not its directors, employees, agents or representatives shall be liable for any damages whether direct or indirect, incidental, special or consequential including lost revenue or lost profits that may arise from or in connection with the use of the information. The person accessing this information specifically agrees to exempt MOFSL or any of its affiliates or employees from, any and all responsibility/liability arising from such misuse and agrees not to hold MOFSL or any of its affiliates or employees responsible for any such misuse and further agrees to hold MOFSL or any of its affiliates or employees free and harmless from all losses, costs, damages, expenses that may be suffered by the person accessing this information due to any errors and delays. This report is meant for the clients of Motilal Oswal only.

Investment in securities market are subject to market risks. Read all the related documents carefully before investing.

Registration granted by SEBI and certification from NISM in no way guarantee performance of the intermediary or provide any assurance of returns to investors.

Registered Office Address: Motilal Oswal Tower, Rahimtullah Sayani Road, Opposite Parel ST Depot, Prabhadevi, Mumbai-400025; Tel No.: 022 - 71934200 / 71934263; www.motilaloswal.com.

Correspondence Address: Palm Spring Centre, 2nd Floor, Palm Court Complex, New Link Road, Malad (West), Mumbai-400 064. Tel No: 022 71881000. Details of Compliance Officer: Neeraj Agarwal, Email Id: na@motilaloswal.com, Contact No.:022-40548085.

Grievance Redressal Cell:

Contact Person	Contact No.	Email ID
Ms. Hemangi Date	022 40548000 / 022 67490600	query@motilaloswal.com
Ms. Kumud Upadhyay	022 40548082	servicehead@motilaloswal.com
Mr. Ajay Menon	022 40548083	am@motilaloswal.com

Registration details of group entities.: Motilal Oswal Financial Services Ltd. (MOFSL): INZ000158836 (BSE/NSE/MCX/NCDEX); CDSL and NSDL: IN-DP-16-2015; Research Analyst: INH000000412 . AMFI: ARN .: 146822. IRDA Corporate Agent - CA0579. Motilal Oswal Financial Services Ltd. is a distributor of Mutual Funds, PMS, Fixed Deposit, Insurance, Bond, NCDs and IPO products

Customer having any query/feedback/ clarification may write to query@motilaloswal.com. In case of grievances for any of the services rendered by Motilal Oswal Financial Services Limited (MOFSL) write to grievances@motilaloswal.com, for DP to dpgrievances@motilaloswal.com.

10 7 August 2024